

ABSTRACT OF THE DISCLOSURE

5 A set of applications to facilitate mobile  
communications and use of the Internet from an extended  
handheld unit are bundled to allow the wireless  
environment to be tailored to the handle the load imposed  
by WEB surfing. The applications include a quick  
connection to the server including security provisions,  
validation of user and user device, resumption of  
10 disconnected sessions, snapshot quantized information  
delivery and the ability to display full motion video on  
the screen of the handheld unit. In addition, fast  
service for likely requested location specific  
information, search narrowing before Web searching, user  
15 behavior habit learning, consideration of Internet  
contractual issues, a speedy search engine, an multiple  
private databases connected by high speed interconnect  
outside the Internet make searching more timely.  
Reliability of information pages is assured by  
20 authenticating the updates before they are placed in  
local storage. Applications to implement this include  
online authenticated snapshot update provisioning,  
Internet page conversion tools, tailored Internet page  
conversion tools, and Information Content Provider tools.  
25 The tools learn based on the activities of the user,  
moving often requested pages to high speed databases and  
tailoring pages to the presentation device for faster  
delivery. The system utilizes GSM, GPRS, 3G and Bluetooth  
communications technologies, including allowing one  
30 handheld unit to act as a server for other extremely  
local handheld units.

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